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(54) FREQUENCY CHANNEL DISCRIMINATING METHOD AND RECEIVER FOR WIRELESS PACKET COMMUNICATION

(57)Abstract:

PROBLEM TO BE SOLVED: To propose a frequency channel discriminating method for wireless packet communication capable of solving the problem that a wrong timing is detected due to a mirror signal of a preamble signal transmitted using a channel of an adjacent frequency.

SOLUTION: By this method, a symbol timing is detected on the basis of a correlational value between a short preamble signal transmitted in the head of a packet and a preamble signal for detecting a symbol timing prepared in a receiving station, and it is discriminated whether or not a packet being now in reception is a frequency channel used by the receiving station, on the basis of a correlational value between a long preamble signal transmitted continuously to the short preamble signal and the preamble signal for detecting a frequency channel prepared in the receiving station.

